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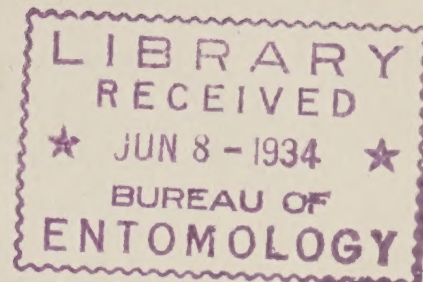
BUREAU OF ENTOMOLOGY

COOPERATING WITH

NEW JERSEY DEPARTMENT OF AGRICULTURE

JAPANESE BEETLE PROJECT

MOORESTOWN, N. J.



HOW TO CONTROL JAPANESE BEETLES IN LAWNS

THE INJURY: In the regions of heavy Japanese beetle infestation, many lawns are infested with grubs of the Japanese beetle. Where the infestation is not severe, the presence of the grubs may not be suspected. Frequently dead patches of grass are noticed. If this injury is caused by Japanese beetle grubs, many grubs (about 50 or more per square foot) will be found when the sod is rolled back. Other conditions may also cause dead patches; such as, lack of water, diseases, poor soil, etc. The owner will, of course, assure himself in this respect. If the trouble is caused by Japanese beetle grubs, treatment is advisable.

WHEN TO TREAT LAWNS: Treatment should be applied during the period from about the middle of August to about the first of October. This treatment will protect the lawn for a year. While the treatment may be applied as an emergency measure at other times, it probably will not insure adequate protection.

WHAT TO USE: The material recommended by the Japanese Beetle Laboratory for the treatment of lawns is known as MISCIBLE CARBON DISULFIDE - 70% grade.

FORMULA FOR TREATING: Mix one quart of MISCIBLE CARBON DISULFIDE with 50 gallons of water. For smaller quantities use one tablespoonful to a gallon of water. First, pour the MISCIBLE CARBON DISULFIDE into a mixing tub or barrel, then add water slowly. Stir constantly while adding the water.

METHOD OF APPLYING: The average lawn can be treated by pouring the liquid on with a sprinkling can at the rate of one quart of the liquid to one square foot of sod. Hold the sprinkler within a few inches of the ground. Sprinkle slowly, allowing time for the liquid to soak into the ground.

CAUTION: MISCIBLE CARBON DISULFIDE is very inflammable. Use as much care in handling as with gasoline. Store it in a cool place. Keep away from fires, running motors, hot pipes, etc. Do not smoke while handling.

EFFECT OF TREATMENT ON GRASS: This treatment is generally safe except where the grubs have been feeding too heavily on the roots. If treatment is made during hot, sunny weather some injury may occur on even vigorous sod. Treating in extremely hot weather is not advised, as it may cause a burning of the grass. Some injury may also result in low spots where an excess quantity of the liquid has collected. If the lawn is watered daily after the treatment it will usually assume a normal appearance within a couple of weeks. When the treatment is delayed until the sod is badly damaged by the grubs, the grass will have practically no resistance to the action of the treatment and may be destroyed. In such case, it will be necessary to re-seed the lawn.

Warning: Take care not to form puddles at the base of ornamental shrubs or in flower beds, as serious injury may result.

COST OF TREATMENT: The cost of the above treatment will normally be less than 5 cents per square foot, based upon the present prices (1928).

For further information, address - Japanese Beetle Laboratory,
Moorestown, New Jersey.

